

Datasheet for ABIN7265594

anti-Angiotensin I Converting Enzyme 1 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Angiotensin I Converting Enzyme 1 (ACE)
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This Angiotensin I Converting Enzyme 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Purpose:	ACE1 Rabbit mAb
Immunogen:	A synthesized peptide derived from human ACE1
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	Angiotensin I Converting Enzyme 1 (ACE)
Alternative Name:	ACE (ACE Products)
Background:	This gene encodes an enzyme involved in catalyzing the conversion of angiotensin I into a

Target Details

physiologically active peptide angiotensin II. Angiotensin II is a potent vasopressor and aldosterone-stimulating peptide that controls blood pressure and fluid-electrolyte balance. This enzyme plays a key role in the renin-angiotensin system. Many studies have associated the presence or absence of a 287 bp Alu repeat element in this gene with the levels of circulating enzyme or cardiovascular pathophysiologies. Multiple alternatively spliced transcript variants encoding different isoforms have been identified, and two most abundant spliced variants encode the somatic form and the testicular form, respectively, that are equally active. [provided by RefSeq, May 2010],ACE1, CD143, DCP, DCP1,Blood,Blood_Serum
Proteins,Cancer,Cardiovascular,CDs,Cell Biology & Developmental Biology,Endocrine & Metabolism,Hematopoietic Progenitors,Hypoxia,Immunology & Inflammation,Signal Transduction,Stem Cells,Ubiquitin,ACE

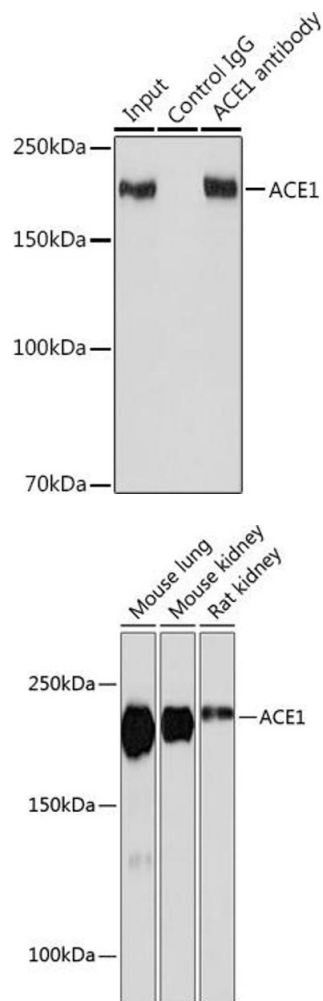
Molecular Weight:	195kDa
Gene ID:	1636
UniProt:	P12821
Pathways:	ACE Inhibitor Pathway , Peptide Hormone Metabolism , Regulation of Systemic Arterial Blood Pressure by Hormones , Feeding Behaviour , Smooth Muscle Cell Migration

Application Details

Application Notes:	WB,1:500 - 1:2000,IP,1:50 - 1:200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunoprecipitation

Image 1. Immunoprecipitation analysis of 600 µg extracts of Mouse kidney cells using 3 µg antibody (ABIN7265594). Western blot was performed from the immunoprecipitate using antibody (ABIN7265594) at a dilution of 1:1000.

Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using Rabbit mAb (ABIN7265594) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.